National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ANKIT FASTENERS PVT. LTD., NO.297, HARAGADDE VILLAGE, ROAD NO.4, JIGANI INDUSTRIAL ESTATE PHASE-1, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5882 **Page No** 1 of 4

Validity 05/07/2022 to 04/07/2024 **Last Amended on** 29/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All type of structural fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRBW)	NASM 1312-6
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All type of structural fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRC)	NASM 1312-6
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All types of structural fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Axial tension test at room temperature	NASM 1312-8 Rev.2
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All types of structural fasteners.(Ferrous & Non-Ferrous Materials, Alloys & Products)	Tension test at room temperature	NAM1312-108 Rev.1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt, Screw and nuts(Ferrous & Non-Ferrous Materials, Alloys & Products)	Tension Fatigue Room Temperature	NAM 1312-111
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt, Screw and nuts(Ferrous & Non-Ferrous Materials, Alloys & Products)	Tension Fatigue Room Temperature	NASM 1312-11
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt, Screws and studs of coarse & fine pitch thread made of carbon steel and alloys steel(Ferrous Materials, Alloys & Products)	Proof Load	ISO 898-1
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, screws, nuts and materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Elongation	NASM 1312-10
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, screws, nuts and materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Reduction Area	NASM 1312-10
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts, screws, nuts and materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Time for Rupture	NASM 1312-10
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cylindrical metallic products,like cold heading wire & rods,rivets & pins(Ferrous & Non-Ferrous Materials, Alloys & Products)	Shear Load	IS:5242
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cylindrical metallic products,like cold heading wire & rods,rivets & pins(Ferrous & Non-Ferrous Materials, Alloys & Products)	Shear Strength	IS 5242
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and internally threaded fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Proof Load	ASTM F606 M

SCOPE OF ACCREDITATION

Laboratory Name :	ANKIT FASTENERS PVT. LTD., NO.297, HARAGADDE VILLAGE, ROAD NO.4, JIGANI INDUSTRIAL ESTATE PHASE-1, BENGALURU, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5882	**Page No**	2 of 4
Validity	05/07/2022 to 04/07/2024	**Last Amended on**	29/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally threaded fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Axial Tension Testing & Wedge Tension Testing of Full-Size Product	ASTM F606M
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Double Shear	NAM 1312-113
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Double Shear	NASM 1312-13
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	For all types of externally threaded fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Durability	NAM 1312-105
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	For all types of externally threaded fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Durability	NASM 1312-5
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	For all types of internally threaded fasteners(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Durability Internally threaded	NASM 1312-14
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard metals(Ferrous & Non-Ferrous Materials, Alloys & Products)	Vickers Hardness	IS 12783
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	0.2% Proof Strength	ASTM E8/E8M
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Elongation	ASTM E8/E8M
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Reduction In Area	ASTM E8/E8M
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRA)	ASTM E -18
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRA)	IS:1586-1
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRBW)	ASTM E18
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRBW)	IS 1586-1

SCOPE OF ACCREDITATION

Laboratory Name :	ANKIT FASTENERS PVT. LTD., NO.297, HARAGADDE VILLAGE, ROAD NO.4, JIGANI INDUSTRIAL ESTATE PHASE-1, BENGALURU, KARNATAKA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5882
Page No	3 of 4
Validity	05/07/2022 to 04/07/2024
Last Amended on	29/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRC)	ASTM E18
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRC)	IS 1586-1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Elongation	ASTM E139
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Reduction Area	ASTM E139
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Time for Rupture	ASTM E139
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Tensile Strength	ASTM E8/E8M
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Vickers Hardness	ASTM -E92
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials(Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRA)	ASTM -A370
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRBW)	ASTM A370
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials(Ferrous Materials, Alloys & Products)	Rockwell Hardness(HRC)	ASTM A370
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Meterials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Vickers Hardness	IS 1501
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Notched specimen of Materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Elongation	ASTM E292
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Notched specimen of Materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Reduction Area	ASTM E292
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Notched specimen of Materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Stress Rupture : Time For Rupture	ASTM E292

SCOPE OF ACCREDITATION

Laboratory Name :	ANKIT FASTENERS PVT. LTD., NO.297, HARAGADDE VILLAGE, ROAD NO.4, JIGANI INDUSTRIAL ESTATE PHASE-1, BENGALURU, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5882	**Page No**	4 of 4
Validity	05/07/2022 to 04/07/2024	**Last Amended on**	29/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screws, studs and nuts of coarse & fine pitch thread made of steels, stainless steels and alloys(Ferrous Materials, Alloys & Products)	Proof Load	ASTM A370
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels, stainless steels, and alloys(Ferrous Materials, Alloys & Products)	Tensile Strength	ASTM A370
44	MECHANICAL-METALLOGRAPHY TEST	Bolts, screws and nuts made of carbon steel and alloy steel(Ferrous Materials, Alloys & Products)	Decarburization by Microscopic Method	ISO 898-1
45	MECHANICAL-METALLOGRAPHY TEST	Iron & steel(Ferrous & Non-Ferrous Materials, Alloys & Products)	Microstructural Analysis & Microstructural examination	ASM Hand Book Vol-9,IS7739
46	MECHANICAL-METALLOGRAPHY TEST	Metal & Oxide Coatings(Ferrous & Non-Ferrous Materials, Alloys & Products)	Coating Thickness by Microscopic Method	ASTM B487
47	MECHANICAL-METALLOGRAPHY TEST	Metallic & non metallic Materials(Ferrous & Non-Ferrous Materials, Alloys & Products)	Grain Size Measurement by Comparison Method	ASTM E112
48	MECHANICAL-METALLOGRAPHY TEST	Metals and alloys(Ferrous & Non-Ferrous Materials, Alloys & Products)	Macrostructure Examination	ASTM E340
49	MECHANICAL-METALLOGRAPHY TEST	Nonmetallic inclusion content of wrought steel(Ferrous Materials, Alloys & Products)	Rating nonmetallic inclusion content by microscopic method	ASTM E45
50	MECHANICAL-METALLOGRAPHY TEST	Rolled or forged steel products(Ferrous Materials, Alloys & Products)	Rating nonmetallic inclusion content by microscopic method.	IS 4163
51	MECHANICAL-METALLOGRAPHY TEST	Steel products such as bars, billets, blooms, and forgings(Ferrous Materials, Alloys & Products)	Macrostructure Examination	ASTM E381
52	MECHANICAL-METALLOGRAPHY TEST	Steels(Ferrous Materials, Alloys & Products)	Decarburization by Microscopic Method	ASTM E1077